

P# 1/2

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO  <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Not yet assigned</td> </tr> <tr> <td>Filing Date</td> <td>Concurrently herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Karim Rouan Cham</td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>44378-232453 (13131-0140)</td> </tr> </table>		Application Number	Not yet assigned	Filing Date	Concurrently herewith	First Named Inventor	Karim Rouan Cham	Group Art Unit		Examiner Name		Attorney Docket Number	44378-232453 (13131-0140)
Application Number	Not yet assigned														
Filing Date	Concurrently herewith														
First Named Inventor	Karim Rouan Cham														
Group Art Unit															
Examiner Name															
Attorney Docket Number	44378-232453 (13131-0140)														
Sheet	1	of	4												

09/08/2002  
 06/12/01  
 9903 U.S. PTO

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JLB   <						

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
JLB ↓	.		DE 29 44 138 A1		Assmann <i>et al.</i>	06/11/1981		
	.		DE 31 18072 A1		Hauck, Claus Christian	11/1982		X
	.		DE 32 13390 A1		Schurek, H. <i>et al</i>	10/20/1983		
	.		EP 0 036 283 A2		Jackson, Ian Douglas	03/10/1981		
	.		EP 0 267 471 A1		Pennwalt Corporation	10/21/1987		
	.		FR 2 571 971		Thierry Haas	10/23/1984		X
	.		JP 127104		Shinriyoushiyo	10/1/1980		X
	.		JP 277303		Tenkaidou	10/26/1993		X
	.		SU 1116396 A		Mosc. Med. Inst. Pirog	09/30/1984		X
JLB	.		SU 1204224 A		Kazan Chem. Tech Ins	01/15/1986		X
JLB	.		WO 9503840 A1		The University of Queensland (except US)	02/09/1995		

Examiner Signature		Date Considered	13 March 2003
--------------------	--	-----------------	---------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Not yet assigned
		Filing Date	Concurrently herewith
		First Named Inventor	Karim Rouan Cham
		Group Art Unit	
		Examiner Name	
Sheet 2	of 4	Attorney Docket Number 44378-232453 (13131-0110)	

06/12/01  
09/08/00  
00651-0031  
U.S. Patent and Trademark Office

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
QAB		Agnese, S.T. <i>et al.</i> , "Evaluation of Four Reagents for Delipidation of Serum", Clinical Biochemistry, 16(2): pp. 98-100 (1983)	
		Albouz, S. <i>et al.</i> , "Extraction of Plasma Lipids Preserving Antigenic Properties of Proteins and Allowing Quantitation of Gangliosides by Neuraminic Acid Determination", Ann. Biol. Clin. (Paris) (4ZS), 37(5): pp. 287-290 (1979)	
		Badimon, J.J. <i>et al.</i> , "High Density Lipoprotein Plasma Fractions Inhibit Aortic Fatty Streaks in Cholesterol-Fed Rabbits", Laboratory Investigation, Vol. 60, No. 3: pp. 455-461 (1989)	
		Badimon, J.J. <i>et al.</i> , "Regression of Atherosclerotic Lesions by High Density Lipoprotein Plasma Fraction in the Cholesterol-Fed Rabbit", J. Clinical Investigation, Vol. 85, No. 4: pp. 1234-1241 (1990)	
		Cham, B.E., <i>et al.</i> , "A Solvent System for Delipidation of Plasma or Serum Without Protein Precipitation", J. of Lipid Research, Vol. 17: pp. 176-181 (1976)	
		Cham, B.E. <i>et al.</i> , "Changes in Electrophoretic Mobilities of $\alpha$ - and $\beta$ -Lipoproteins as a Result of Plasma Delipidation", Clinical Chemistry, 22: pp. 305-309 (1976)	
		Cham, B.E., <i>et al.</i> , "Heterogeneity of Lipoprotein B", Biochemical and Biophysical Research Communications", Vol. 103, No. 1: pp. 196-206 (1981)	
		Cham, B.E., <i>et al.</i> , "Importance of Apolipoproteins in Lipid Metabolism", Chem. Biol. Interactions, 20: pp. 263-277 (1978)	
		Cham, B.E. <i>et al.</i> , "In Vitro Partial Relipidation of Apolipoproteins in Plasma", J. Biol. Chem., 251 (20): pp. 6367-6371 (1976)	Ab S
		Cham, B.E., <i>et al.</i> , "Lipid Apheresis in an Animal Model Causes Acute Reduction in Plasma Lipid Concentrations and Mobilisation of Lipid from Liver and Aorta", Pharmacol. (Life Sci. Adv.)13: pp. 25-32 (1994)	
		Cham, B.E., <i>et al.</i> , "Lipid Apheresis in an Animal Model Causes In Vivo Changes in Lipoprotein Electrophoretic Patterns", J. Clin. Apheresis, 11 (2): pp. 61-70 (1996)	
QAB		Cham, B.E., <i>et al.</i> , "Lipid Apheresis: An In Vivo Application of Plasma Delipidation with Organic Solvents Resulting in Acute Transient Reduction of Circulating Plasma Lipids in Animals", J. Clin. Apheresis 10: pp. 61-69 (1995)	

Examiner Signature	<i>Albiana</i>	Date Considered	13 March 2003
--------------------	----------------	-----------------	---------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Not yet assigned
		Filing Date	Concurrently herewith
		First Named Inventor	Karim Rouan Cham
		Group Art Unit	
		Examiner Name	
Sheet 3	of 4	Attorney Docket Number	44378-232453 (13131-0110)


OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
JB	.	Cham, B.E., "Nature of the Interaction Between Low-Density Lipoproteins and Polyanions and Metal Ions, as Exemplified by Heparin and Ca <sup>2+</sup> ", Clinical Chemistry, Vol. 22, No. 11: pp. 1812-1816 (1976)	
	.	Cham, B.E., <i>et al.</i> , "Phospholipids in EDTA - Treated Plasma and Serum", Clinical Chemistry, Vol. 39, No. 11: pp. 2347-2348 (1993)	
	.	Cham, B.E., <i>et al.</i> , "Rapid Regression of Atherosclerosis by Cholesterol Apheresis - A Newly Developed Technique", 59 <sup>th</sup> Congress European Atherosclerosis Society, Nice France, 17-21 May 1992.	
	.	Cham, B.E., <i>et al.</i> , "Rapid, Sensitive Method for the Separation of Free Cholesterol from Ester Cholesterol", Clinica Chimica Acta, 49: pp. 109-113 (1973)	
	.	Dwivedy, A.K., "Increase of Reverse Cholesterol Transport by Cholesterol Apheresis: Regression of Atherosclerosis", 18 <sup>th</sup> Australian Atherosclerosis Society Conference, Surfers Paradise, p. 21 (1992)	
	.	Eisenhauer, T. <i>et al.</i> , "Selective Removal of Low Density Lipoproteins (LDL) by Precipitation at Low pH: First Clinical Application of the HELP System", Klin Wochenschr (KWH), 65 (4): pp. 161-168 (1987)	
	.	Fang, N.X. <i>et al.</i> , "In vivo Rapid Mobilization of Adipose Tissue by Lipid Apheresis - A Newly Developed Technique", 18 <sup>th</sup> Australian Atherosclerosis Society Conference, Gold Cost, Australia 1992	
↓	.	Innerarity, T.L., <i>et al.</i> , "Enhanced Binding by Cultured Human Fibroblasts of Apo-E-Containing Lipoproteins as Compared with Low Density Lipoproteins", Biochemistry, Vol. 17: pp. 1440-1447 (1978)	
JB	.	Koizumi, J. <i>et al.</i> , "Behavior of Human Apolipoprotein A-1: Phospho-Lipid and apoHDL: Phospholipid Complexes in Vitro and After Injection into Rabbits", J. Lipid Research, Vol. 29: 1405-1415 (1988)	

Examiner Signature	<i>Subiano</i>	Date Considered	13 March 2003
--------------------	----------------	-----------------	---------------


<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Not yet assigned
		Filing Date	Concurrently herewith
		First Named Inventor	Karim Rouan Cham
		Group Art Unit	
		Examiner Name	
Sheet 4	of 4	Attorney Docket Number	44378-232453 (13131-0110)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
RB	.	Kostner, K. <i>et al.</i> , "Increase of APO A1 Concentration in Hypercholesterolaemic Chickens After Treatment with a Newly Developed Extracorporeal Lipid Elimination", XI Internet Symp. On Drugs Affecting Lipid Metabolism, Italy, 13-16 May 1992	
	.	Kostner, K. <i>et al.</i> , "Lecithin-cholesterol acyltransferase activity in Normocholesterolaemic and Hypercholesterolaemic Roosters: Modulation by Lipid Apheresis", European Journal of Clinical Investigation, Vol. 27; pp. 212-218, May 7, 1997	
	.	Lupien, P.J. <i>et al.</i> , "A New Approach to the Management of Familial Hypercholesterolaemia: Removal of Plasma-Cholesterol Based on the Principle of Affinity Chromatography", Lancet (LOS), 1 (7972)L: pp. 1261-1265 (1976)	
	.	Parker, T.S., et al., "Plasma High Density Lipoprotein is Increased in Man When Low Density Lipoprotein (LDL) is Lowered by LDL-Pheresis"; Proc. Nat. Acad. Sci. (USA) 83(3), pp.777-781 (1986) (Abstract)	
	.	Ryan, W.G. <i>et al.</i> , "An Improved Extraction Procedure for the Determination of Triglycerides and Cholesterol in Plasma or Serum", Clinical Chemistry, Vol. 13: pp. 769-772 (1967)	
	.	Slater, H.R. <i>et al.</i> , "A Comparison of Delipidated Sera Used in Studies of Sterol Synthesis by Human Mononuclear Leukocytes", J. of Lipid Research, 20: pp. 413-416 (1979)	
	.	Slater, H.R., <i>et al.</i> , "The Effect of Delipidated High Density Lipoprotein on Human Leukocyte Sterol Synthesis", Atherosclerosis, 35: pp. 41-49 (1980)	
	.	Thompson, G.R. <i>et al.</i> , "Plasma Exchange in the Management of Homozygous Familial Hypercholesterolaemia", Lancet (LOS, 1 (7918): pp. 1208-1211 (1975)	
	.	Williams, K.J. <i>et al.</i> , "Low Density Lipoprotein Receptor-Independent Hepatic Uptake of a Synthetic, Cholesterol-Scavenging Lipoprotein: Implications for the Treatment of Receptor-Deficient Atherosclerosis", Proc. Natl. Acad. Sci. USA, Vol. 85: pp. 242-246 (1988)	
RB	.	Yokoyama, S. <i>et al.</i> , "Selective Removal of Low Density Lipoprotein by Plasmapheresis in Familial Hypercholesterolemia", Arteriosclerosis (89S), 5 (6): pp. 613-622 (1985)	

Examiner Signature		Date Considered	13 March 2003
--------------------	---	-----------------	---------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.



Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

**Complete if Known**

Application Number	09/879,002
Filing Date	June 12, 2001
First Named Inventor	Karim Rouan Cham
Group Art Unit	3735
Examiner Name	

Attorney Docket Number	44378-232454 (13131-0110)
------------------------	---------------------------

Sheet	1	of	1
-------	---	----	---

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

 $\tau^2$ 

Examiner  
Initials

Cite  
No.<sup>1</sup>

AA

Parker, Thomas S. *et al.* , "Plasma High Density Lipoprotein is Increased in Man When Low Density Lipoprotein (LDL) is Lowered by LDL-Pheresis", Proceedings of the National Academy of Sciences, Vol. 83, pp. 777-781 (1986).

Sub

RECEIVED  
OCT 16 2001  
TC 3700 MAIL ROOM

Examiner  
Signature

Al Brand

Date  
Considered

13 March 2003

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

<b>Application Number</b>	<b>9/879,002</b>
<b>Filing Date</b>	<b>June 12, 2001</b>
<b>First Named Inventor</b>	<b>Karim Rouan Cham</b>
<b>Group Art Unit</b>	<b>3735</b>
<b>Examiner Name</b>	<b>Not yet assigned</b>
<b>Attorney Docket Number</b>	<b>44378-232454 (13131-0110)</b>

Sheet	1	of	1
-------	---	----	---

[illegible][illegible]

El Bianco

Date  
Considered

13 March 2003

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.



Approved for use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1549/A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

**Complete if Known**


<b>Application Number</b>	<b>9/879,002</b>
<b>Filing Date</b>	<b>June 12, 2001</b>
<b>First Named Inventor</b>	<b>Karim Rouan Cham</b>
<b>Group Art Unit</b>	<b>3735</b>
<b>Examiner Name</b>	<b>Not yet assigned</b>
<b>Attorney Docket Number</b>	<b>44378-232454 (13131-0110)</b>

## U.S. PATENT DOCUMENTS

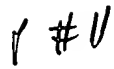
[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	13 March 2003
-----------------------	---	--------------------	---------------

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.



PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

Substitute for Form 1449/A/PTO

<b>Application Number</b>	<b>9/879,002</b>
<b>Filing Date</b>	<b>June 12, 2001</b>
<b>First Named Inventor</b>	<b>Karim Rouan Cham</b>
<b>Group Art Unit</b>	<b>3735</b>
<b>Examiner Name</b>	<b>Not yet assigned</b>
<b>Attorney Docket Number</b>	<b>44378-232454 (13131-0110)</b>

Sheet	2	of	2
-------	---	----	---

## OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

RECEIVED  
DEC - 5 2002

TECHNOLOGY CENTER R3700

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.